* SECTION 1 to be completed by CURRICULUM AUTHOR
* SECTION 2 to be completed by CHAIR/DIRECTOR
* SECTION 3 to be completed by DEAN
* SECTION 4 to be completed by REGISTRAR & STAFF

**SUBMIT TO AREA ADMIN. ASSISTANT AFTER SECTIONS 1-4 ARE COMPLETE TO BEGIN SIGNATURE PORTION OF THE PROCESS.**

* SECTION 5 to be completed by CURRICULUM COUNCIL CHAIR & RECORDER
* SECTION 6 to be completed by VPI

| **SECTION 1: AUTHOR** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New, Change or Archive? | | | Modify/Change | | | **Rationale/reasons for this request:**  **1. Restore variable credit,**  **2. Update MCO for accuracy and relevance** | | | | | | |
| Effective Quarter: | | | Fall 2024 | | |
| If proposed course will replace current, when do we archive current course? | | | N/A | | |
| **CURRENT** | | | | | | **PROPOSED** | | | | | | |
| Subject and Catalog # | | | | | | | | | | | | |
| Course Subject and Number: | | | CS 140 | | | Course Subject and Number: | | | -unchanged- | | | |
| ctcLink Course Number: | | | 192038 | | | ctcLink Course Number: | | | -unchanged- | | | |
| Short Course Title (limit 30 characters) | | | | | | | | | | | | |
| Javascript | | | | | | -unchanged- | | | | | | |
| Long Course Title | | | | | | | | | | | | |
| -unchanged- | | | | | | -unchanged- | | | | | | |
| Course Description | | | | | | | | | | | | |
| Introduction to programming using the JavaScript programming language. This CIW JavaScript Specialist course material, prepares you for the CIW JavaScript Specialist certification exam. | | | | | | Students learn the fundamentals of object orientated programming (OOP) in JavaScript (JS). Students apply an understanding of JS syntax, data structures, logic and dataflow to capture, process and transform user interactions in web pages. Students build projects using Node.js, JS APIs and JS native modules in a cohesive codebase. | | | | | | |
| Course Learning Outcomes | | | | | | | | | | | | |
| * Identify characteristics of JavaScript and common programming practices. * Work with variables and data in JavaScript. * Use JavaScript functions, methods and events. * Use JavaScript statements to control program flow. * Explain and use the JavaScript Document Object Model (DOM). * Use JavaScript language objects and create expressions. * Use JavaScript to develop interactive XHTML forms. * Address security issues relevant to JavaScript, and define and use cookies * Create and use custom JavaScript objects. * Use JavaScript to change XHTML before it is rendered on a Web page. * Use JavaScript code libraries to assist in developing JavaScript programs. * Use JavaScript and AJAX to create interactive Web applications. * Debug and troubleshoot JavaScript code. | | | | | | * Develop JS code for use in web pages. * Understand and utilize the fundamentals of OOP and complex data processing * Control website behavior using data types, data structures, and logical dataflow and functions. * Explain the role of Node.js, APIs and native modules. * Troubleshoot problems related to code execution. | | | | | | |
| Course Topics | | | | | | | | | | | | |
| * Introduction to JavaScript * Working w/ Variables & Data in JS * Functions, Methods & Events in JS * Controlling Program Flow in JS * The JS Document Object Model * JavaScript Language Objects * Developing Interactive Forms w/ JS * JavaScript Security * Custom JavaScript Objects * Changing X/HTML on the Fly * JavaScript Libraries * JavaScript and AJAX * Debugging & Troubleshooting JavaScript * Plug-Ins & Java Applets | | | | | | * Basic programming concepts in JS * Literals, variables, constants and data structures * Control flow patterns * Expressions and operators * Functions * Scope * Array methods and processing * Objects and OOP * Maps and sets * Asynchronous programming: intervals, events, callbacks; promises, try and catch; await and then * Regular expressions * Native modules * Node.js and server-side JavaScript | | | | | | |
| Total Credits/Variable Credit | | | | | | | | | | | | |
| Minimum: | 5 | | Maximum: | | 5 | Minimum: | 1 | | Maximum: | | 5 | |
| Course Components | | | | | | | | | | | | |
| Course Components: | | | LEC & LAB | | | Course Components: | | | LEC & LAB | | | |
| Quarters Offered | | | | | | | | | | | | |
| Year 1 (list quarters): | | | -unchanged- | | | Year 1 (list quarters): | | | -unchanged- | | | |
| Year 2 (list quarters): | | | -unchanged- | | | Year 2 (list quarters): | | | -unchanged- | | | |
| Miscellaneous | | | | | | | | | | | | |
| Permit Open Entry/Exit? | | | | Yes | | Permit Open Entry/Exit? | | | | Yes | | |
| Grading Basis: | | | | Graded | | Grading Basis: | | | | Graded | | |
| Instructor/dept. consent required? | | | | Choose an item. | | Instructor/dept. consent required? | | | | No Consent | | |
| Hide from Class Search? | | | | Choose an item. | | Hide from Class Search? | | | | Visible in Search | | |
| ***Approved By:*** | |  | | | | ***Date:*** | |  | | | |

| **SECTION 2: CHAIR/DIRECTOR** | | | |
| --- | --- | --- | --- |
| Enrollment Requirements & Equivalencies | | | |
| Prerequisite: |  | Pre-requisite: |  |
| Co-requisite: |  | Co-requisite: |  |
| Equivalencies: |  | Equivalencies: |  |
| Cross-Listed Courses: |  | Cross-Listed Courses: |  |
| *Notes and comments:* | | | |
| ***Approved By:*** |  | ***Date:*** |  |

| **SECTION 3: DEAN** | | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CURRENT** | | | | | | | | **PROPOSED** | | | | | | | | | | |
| CONFIRM: Total Credits/Variable Credit | | | | | | | | | | | | | | | | | | |
| Minimum: |  | | Maximum: | |  | | | Minimum: |  | | Maximum: | | | |  | | | |
| Components & Credit-to-Hour Details | | | | | | | | | | | | | | | | | | |
|  | | | | CR | |  | HRS |  | | | | | CR | | |  | HRS | |
| LEC/[Theory](https://www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-5.aspx) (1 CR = 1 hour/week): | | | |  | | x1= |  | LEC/[Theory](https://www.sbctc.edu/colleges-staff/policies-rules/policy-manual/chapter-5.aspx) (1 CR = 1 hour/week): | | | | |  | | | x1= |  | |
| LAB/Guided Practice (1 CR = 2 hours/week): | | | |  | | x2= |  | LAB/Guided Practice (1 CR = 2 hours/week): | | | | |  | | | x2= |  | |
| CLIN/Field-Based (1 CR = 3 hours/week): | | | |  | | x3= |  | CLIN/Field-Based (1 CR = 3 hours/week): | | | | |  | | | x3= |  | |
| Total Credits & Weekly Contact Hours: | | | |  | |  |  | Total Credits & Weekly Contact Hours: | | | | |  | | |  |  | |
| Coding & Financials | | | | | | | | | | | | | | | | | | |
| [CIP](https://www.sbctc.edu/resources/documents/colleges-staff/data-services/data-warehouse/cip-2020-descriptions.pdf) Code: | | |  | | | | | [CIP](https://www.sbctc.edu/resources/documents/colleges-staff/data-services/data-warehouse/cip-2020-descriptions.pdf) Code: | | | |  | | | | | | |
| Default Section Size/Cap: | | |  | | | | | Default Section Size/Cap: | | | |  | | | | | | |
| Course Attributes: | | | Choose an item. | | | | | Course Attributes: | | | | Choose an item. | | | | | |
| Course Attributes: | | | Choose an item. | | | | | Course Attributes: | | | | Choose an item. | | | | | |
| Course Attributes: | | | Choose an item. | | | | | Course Attributes: | | | | Choose an item. | | | | | |
| Fees identified/requested: | | |  | | | | | Fees identified/requested: | | | |  | | | | | | |
| Does a budget exist for this subject? | | | Choose an item. | | | | | Does a budget exist for this subject? | | | | Choose an item. | | | | | | |
| Dean is required to present course to applicable instructional faculty (all campuses) for consideration. Date Presented: | | | | | | | | | | | | | |  | | | | |
| *Notes and comments:* | | | | | | | | | | | | | | | | | | |
| ***Approved By:*** | |  | | | | | | ***Date:*** | |  | | | | | | | | |

| **SECTION 4: REGISTRAR** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **CURRENT** | | **PROPOSED** | | | |
| Coding & Attributes | | | | | |
| Academic Group: | Choose an item. | | Academic Group: | Choose an item. | |
| Academic Org: | Choose an item. | | Academic Org: | Choose an item. | |
| Funding Source: | Choose an item. | | Funding Source: | Choose an item. | |
| Intent: | Choose an item. | | Intent: | Choose an item. | |
| Mult Enrl in Term: | Choose an item. | | Mult Enrl in Term: | Choose an item. | |
| # Completions Allowed: | Choose an item. | | # Completions Allowed: | | Choose an item. | |
| Enrollment Req Group: |  | | Enrollment Req Group: |  | |
| *Notes and comments:* | | | | | |
| ***Approved By:*** |  | | ***Date:*** |  | |

| **SECTION 5: CURRICULUM COUNCIL** | | | |
| --- | --- | --- | --- |
| ***Date Received by Council:*** |  | ***Notes and comments:*** | |
| ***Curriculum Council Reviewer*** |  |
| ***Recorded Vote:*** |  | ***Date:*** |  |
| ***Curriculum Council Chair:*** |  | ***Date Certified:*** |  |

| **SECTION 6: VICE PRESIDENT OF INSTRUCTION** | | | |
| --- | --- | --- | --- |
| ***Notes and comments:*** | | | |
| ***VP of Instruction:*** |  | ***Date:*** |  |